

Appendix C: Relative Land Cover Loadings

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Introduction

The charts presented below illustrate the relative pollutant loads by land cover type (i.e. load for Land Cover A divided by the watershed-wide load) for the Hanalei River, Waioli, Waipa, and Waikoko watersheds. These loadings are based on LSPC model output by pollutant for existing conditions in each watershed (see Appendix B for a detailed discussion of the modeling approach and results). The land cover data were obtained from the National Oceanic and Atmospheric Administration (NOAA) Coastal Change Analysis Program (C-CAP) land cover image from a remote sensing study in 2000 (NOAA, 2000).

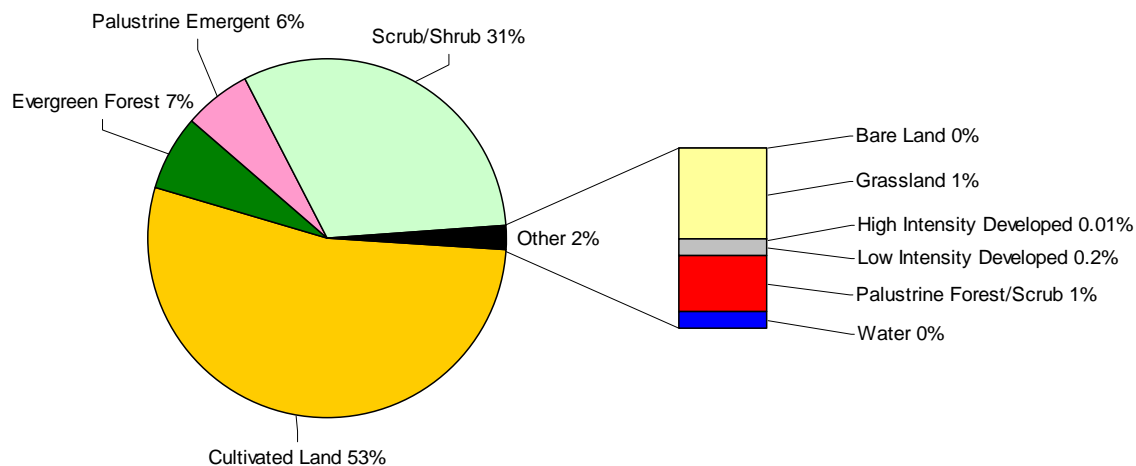


Figure C-1. Relative ammonia land cover loadings for the Hanalei River watershed

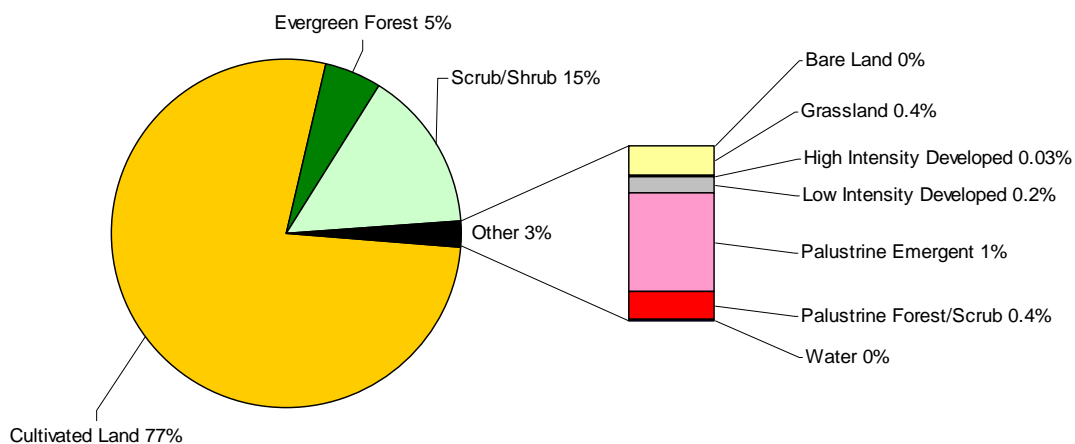


Figure C-2. Relative ammonia land cover loadings for the Waioli watershed

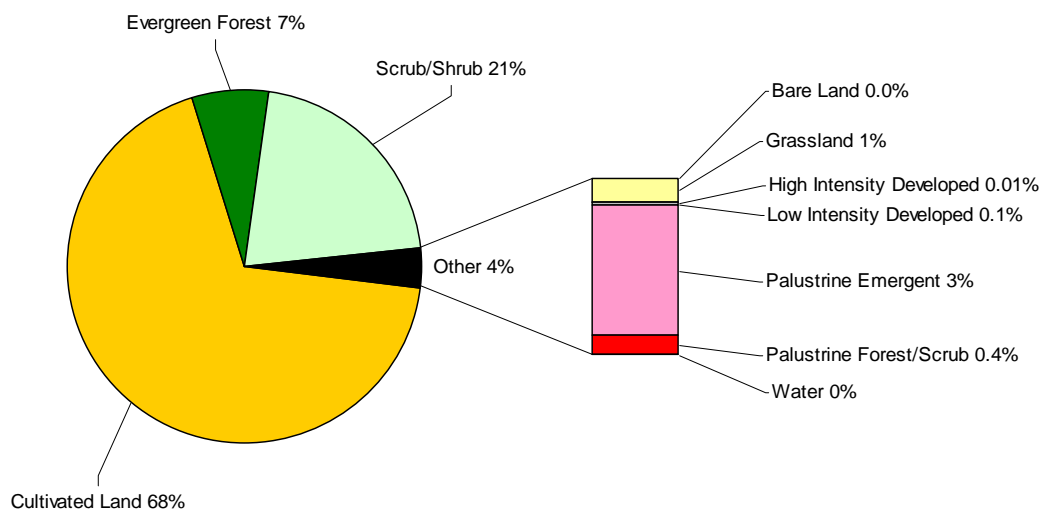


Figure C-3. Relative ammonia land cover loadings for the Waipa watershed

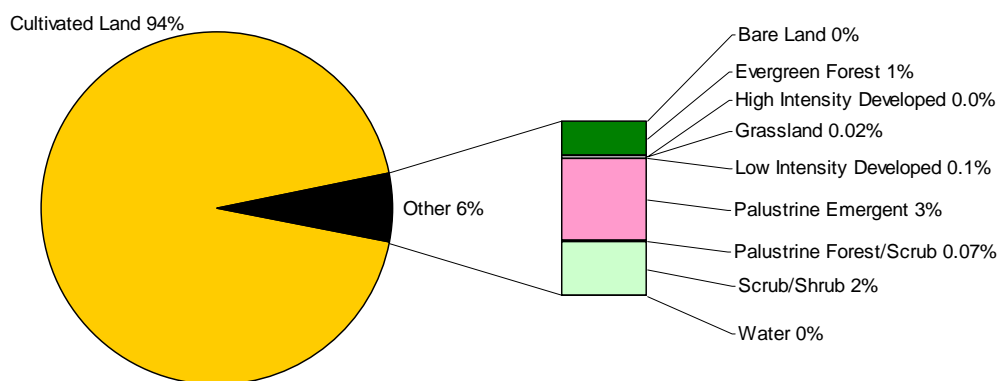


Figure C-4. Relative ammonia land cover loadings for the Waikoko watershed

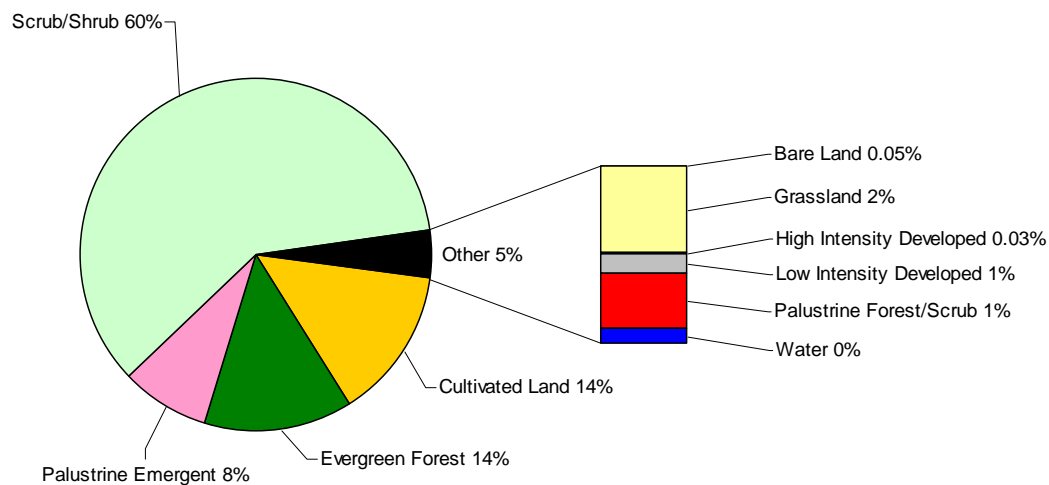


Figure C-5. Relative nitrate plus nitrite land cover loadings for the Hanalei River watershed

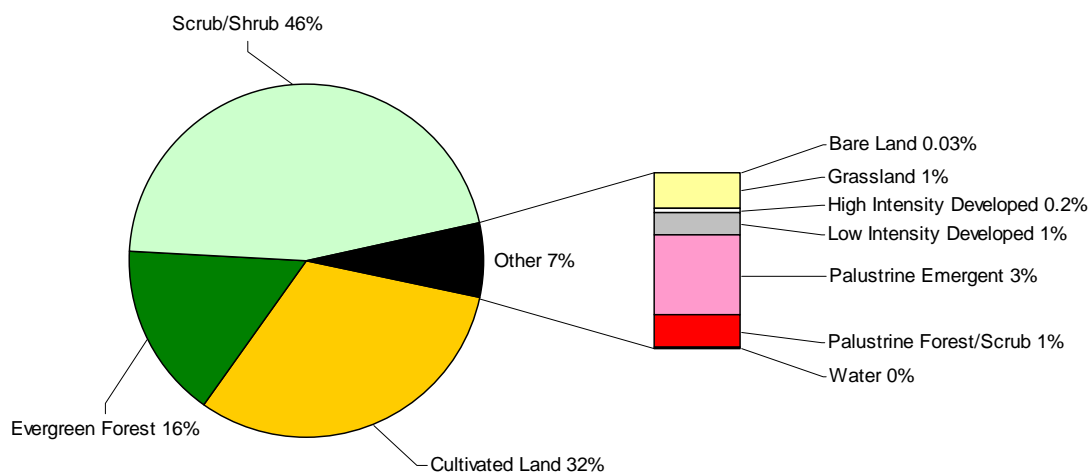


Figure C-6. Relative nitrate plus nitrite land cover loadings for the Waioli watershed

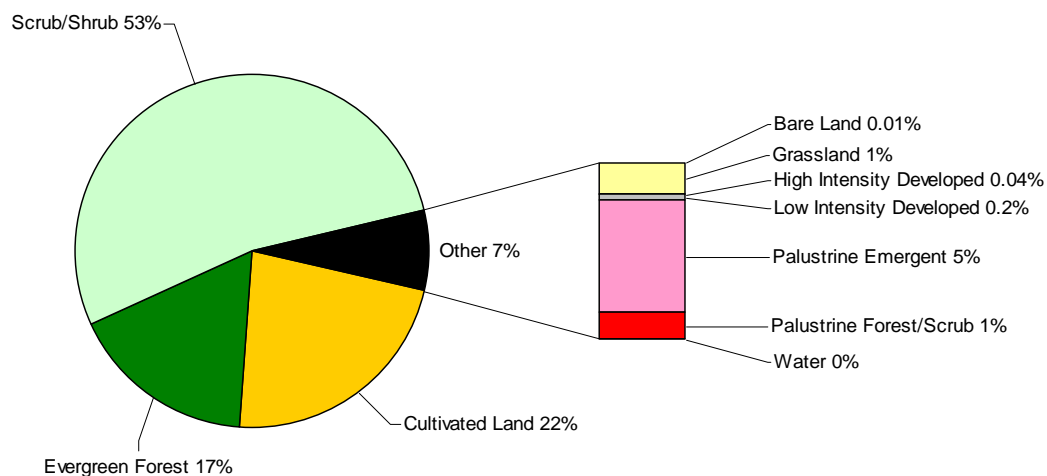


Figure C-7. Relative nitrate plus nitrite land cover loadings for the Waipa watershed

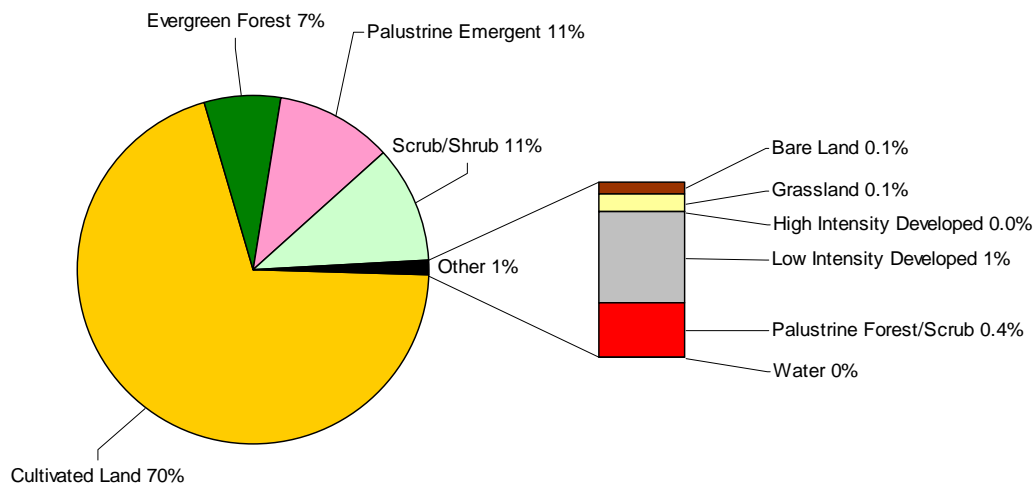


Figure C-8. Relative nitrate plus nitrite land cover loadings for the Waikoko watershed

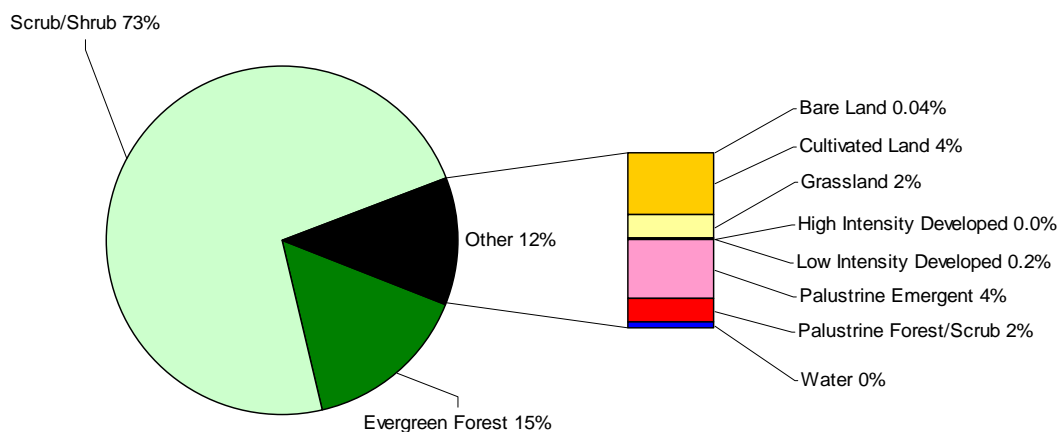


Figure C-9. Relative total nitrogen land cover loadings for the Hanalei River watershed

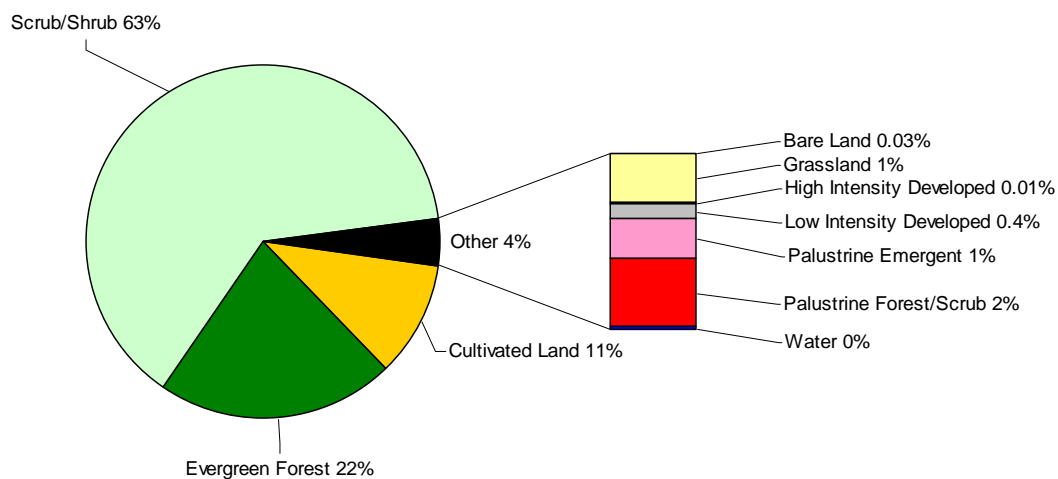


Figure C-10. Relative total nitrogen land cover loadings for the Waioli watershed

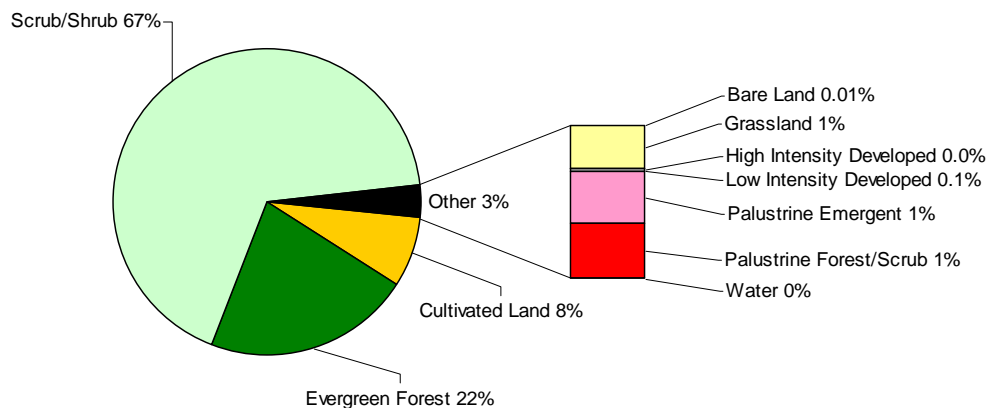


Figure C-11. Relative total nitrogen land cover loadings for the Waipa watershed

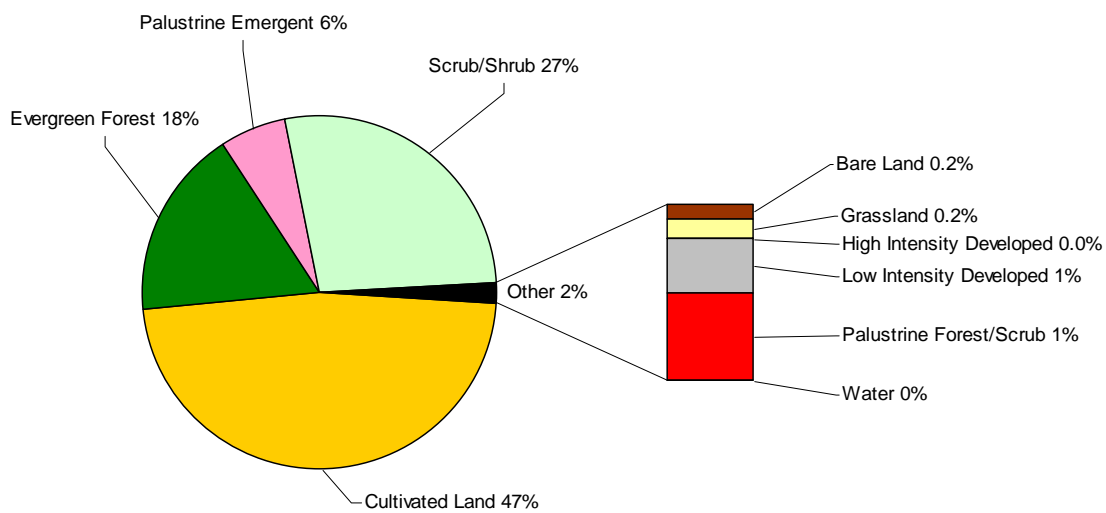


Figure C-12. Relative total nitrogen land cover loadings for the Waikoko watershed

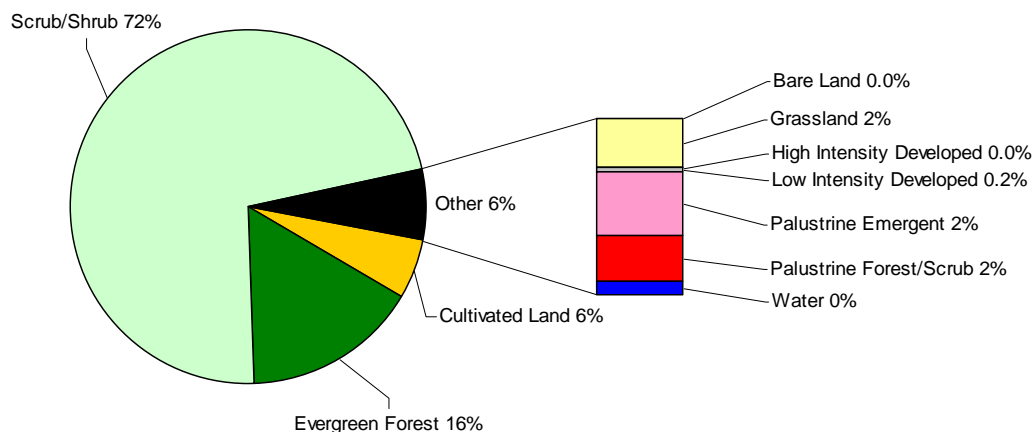


Figure C-13. Relative total phosphorus land cover loadings for the Hanalei River watershed

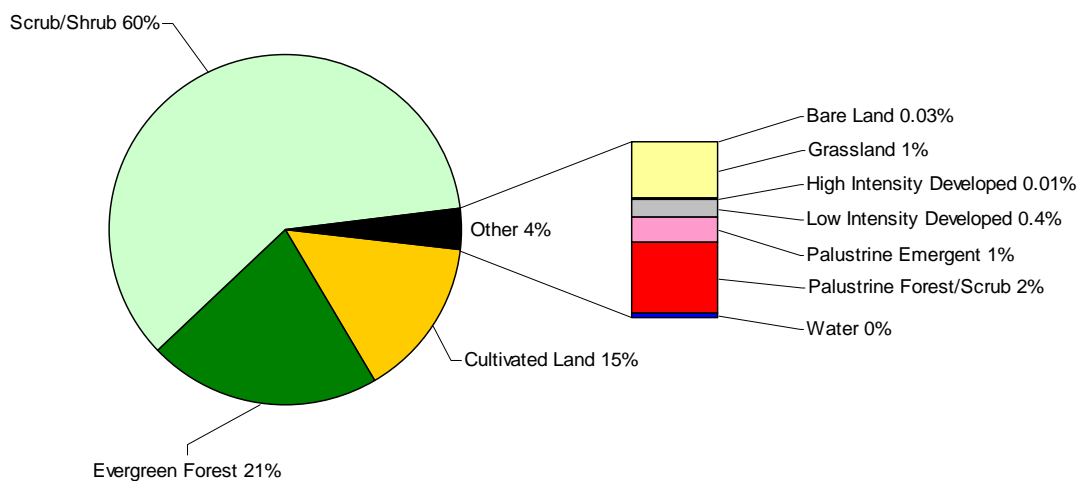


Figure C-14. Relative total phosphorus land cover loadings for the Waioli watershed

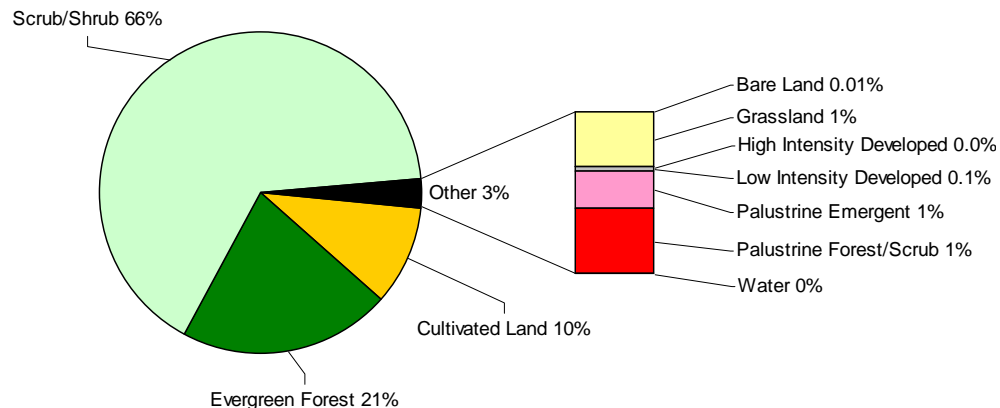


Figure C-15. Relative total phosphorus land cover loadings for the Waipa watershed

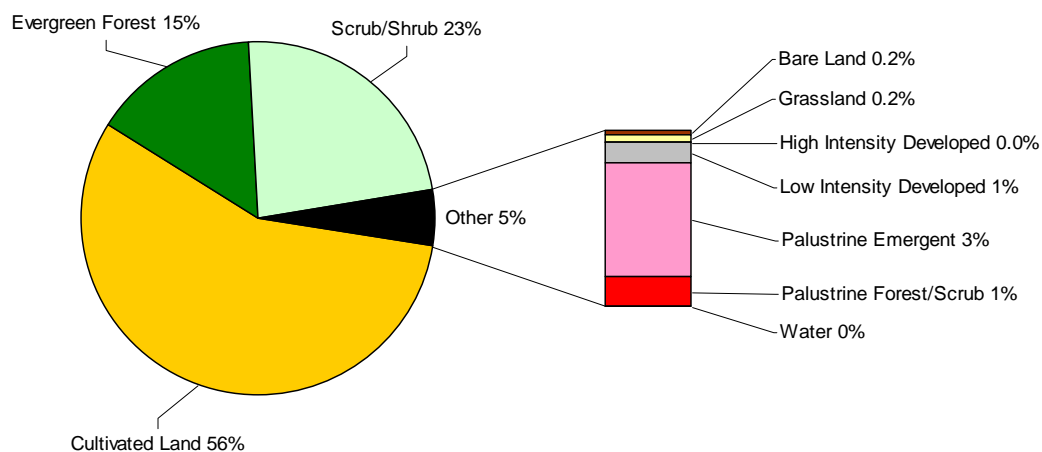


Figure C-16. Relative total phosphorus land cover loadings for the Waikoko watershed

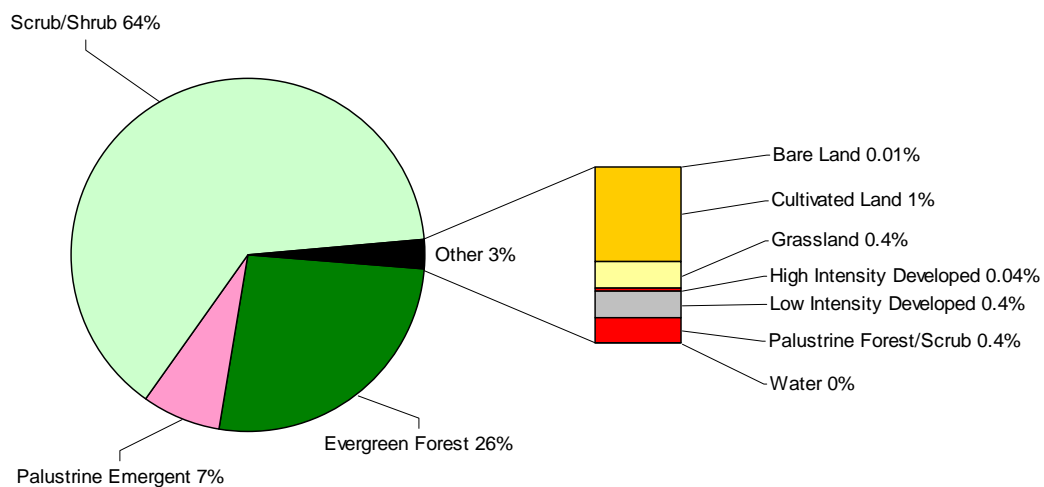


Figure C-17. Relative enterococci land cover loadings for the Hanalei River watershed

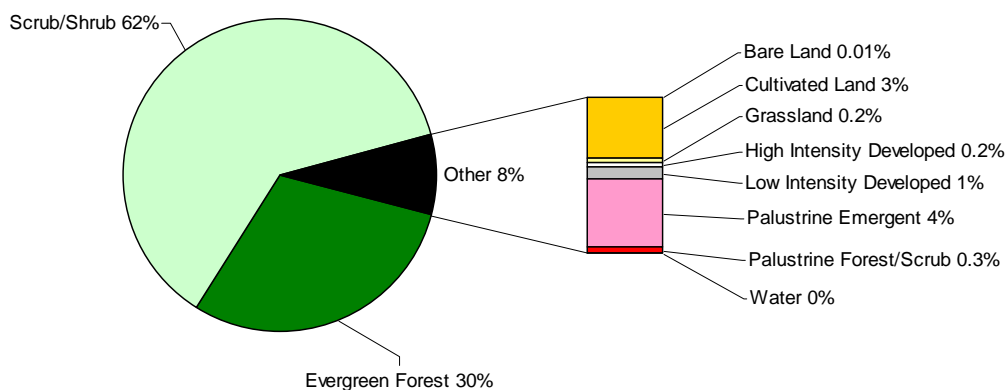


Figure C-18. Relative enterococci land cover loadings for the Waioli watershed

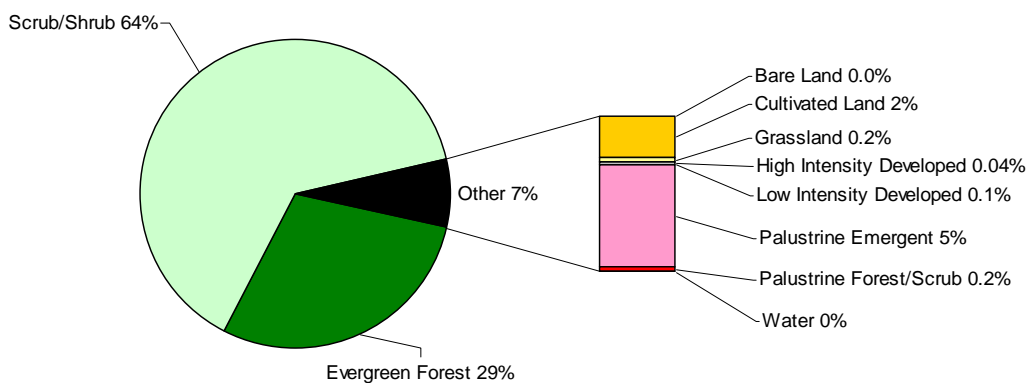


Figure C-19. Relative enterococci land cover loadings for the Waipa watershed

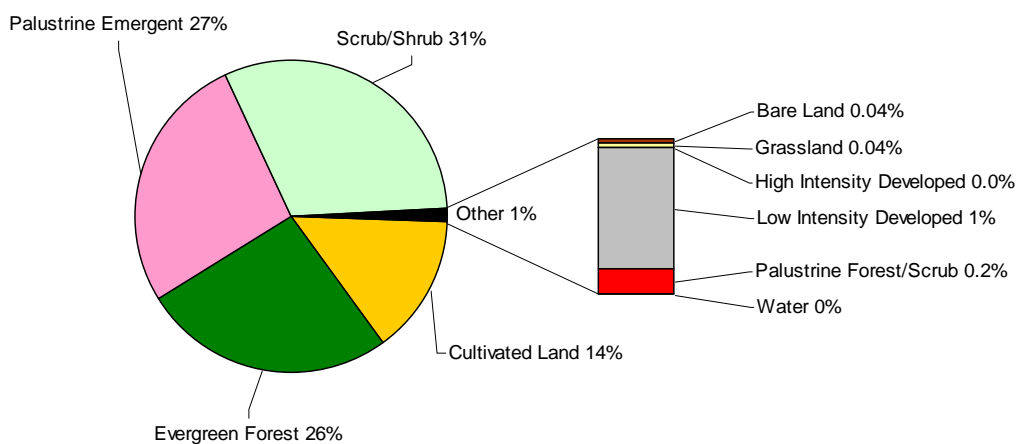


Figure C-20. Relative enterococci land cover loadings for the Waikoko watershed

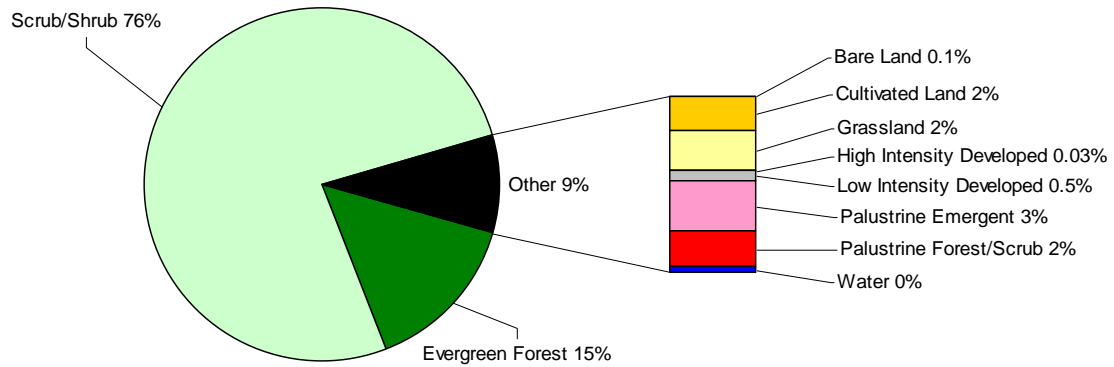


Figure C-21. Relative total suspended solids/turbidity land cover loadings for the Hanalei River watershed

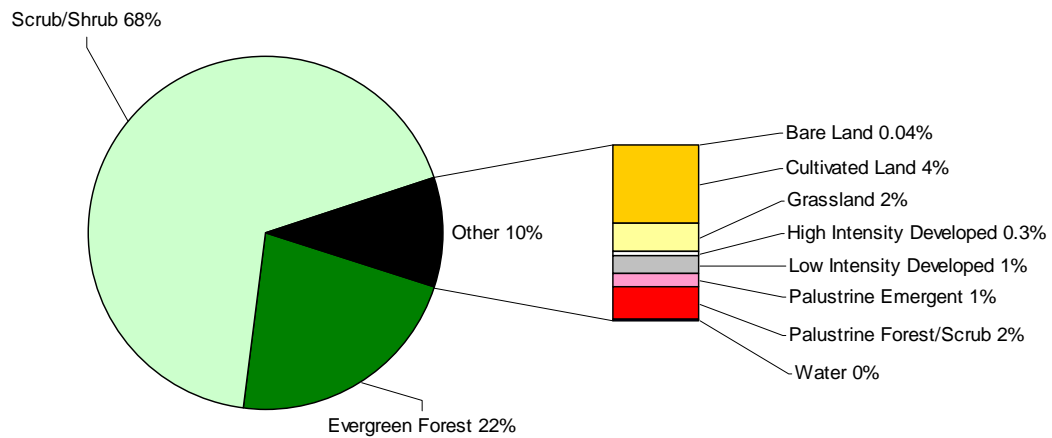


Figure C-22. Relative total suspended solids/turbidity land cover loadings for the Waioli watershed

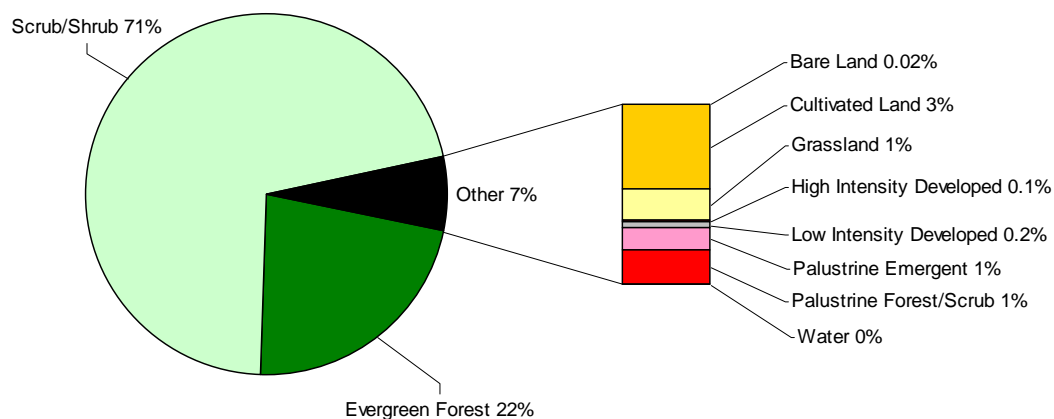


Figure C-23. Relative total suspended solids/turbidity land cover loadings for the Waipa watershed

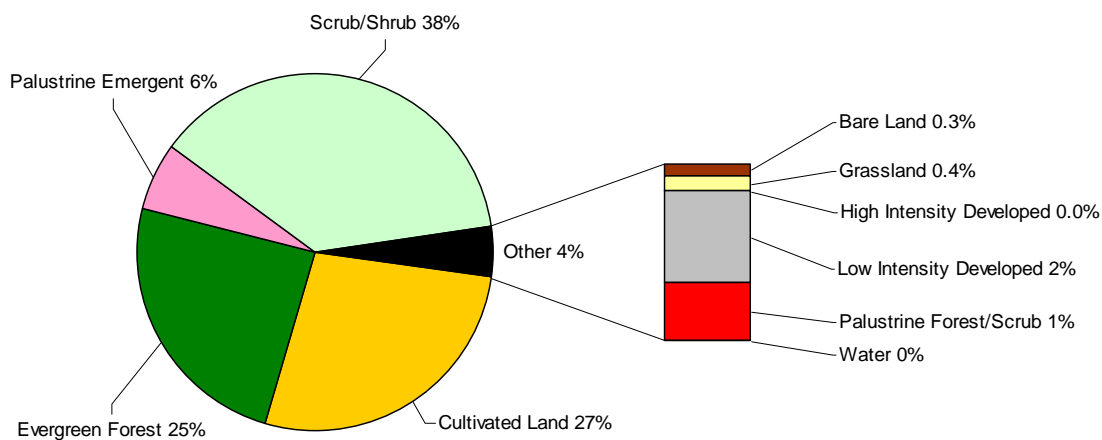


Figure C-24. Relative total suspended solids/turbidity land cover loadings for the Waikoko watershed